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**LELAND E. BROWN, Director**

# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
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Cooperative Extension Service

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**AGRICULTURAL NEWS:** Fall like weather and rain continued to be the story across Kentucky last week. Days suitable for fieldwork averaged 5.4 out of a possible seven days. Farm activities last week included topping, cutting and housing tobacco, hay harvest, and preparing for grain harvest. **Topsoil moisture** as of Friday, August 13 was rated 3 percent very short, 10 percent short, 75 percent adequate and 12 percent surplus. **Subsoil moisture** was rated 1 percent very short, 11 percent short, 79 percent adequate and 9 percent surplus.

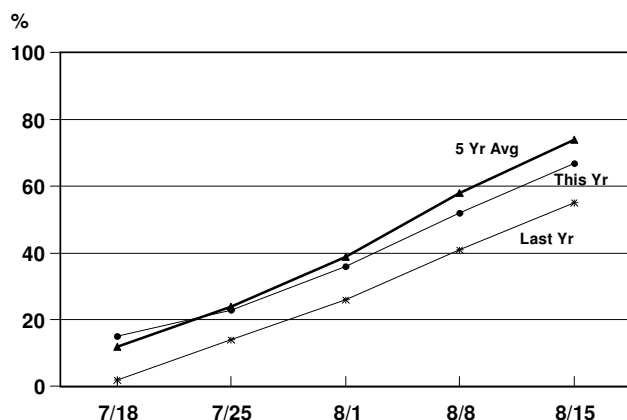
**TOBACCO:** Even as cutting and housing have gotten into full swing there remains concern about blue mold and black shank which ranges from severe to minimal. Comments about yield have correspondingly been varied, from poor to good. As of Sunday, August 15, the condition of tobacco in the field was reported as 3 percent very poor, 10 percent poor, 21 percent fair, 50 percent good, and 16 percent excellent. Sixty-seven percent of burley tobacco was topped, compared to 55 percent a year ago and the 5 year average of 74 percent. Twenty-two percent of the burley tobacco was cut, compared to 6 percent last year and 16 percent on average. Dark tobacco reported topped was 82 percent, the same as 2003, but behind the 5 year average of 91 percent. Dark tobacco cut was 15 percent, the same as average, but ahead of last year's 6 percent.

**CORN:** As of Sunday, August 15, 94 percent was in the milk stage or beyond, compared to 87 percent last year and the 5 year average of 93 percent. Seventy-six percent of the corn has reached the dough stage or beyond, compared to 67 percent last year and the 5 year average of 79 percent. Fifty-two percent of corn was dented, compared with 39 percent last year and 53 percent on average. Corn producers are expecting good to excellent yields. The crop remains in mostly good to excellent condition, with 4 percent poor, 13 percent fair, 48 percent good, and 35 percent excellent.

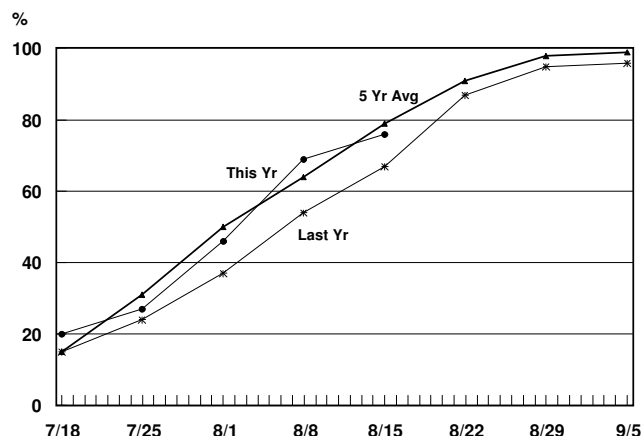
**SOYBEANS:** As of Sunday, August 15, 77 percent of the soybeans were blooming and 59 percent were setting pods, last year 75 percent were blooming and 46 percent were setting pods. The 5 year average for soybeans blooming and setting pods were 82 and 58 percent respectively. Condition of emerged soybeans was rated 3 percent poor, 18 percent fair, 48 percent good, and 31 percent excellent. Producers early predictions are for a good to excellent yields.

**OTHER CROPS:** Hay harvest continues as weather allows across the State. Plentiful rains have provided plenty of hay, but have hindered some efforts toward cutting and baling. The condition of the hay crop was rated 1 percent very poor, 5 percent poor, 16 percent fair, 54 percent good, and 24 percent excellent. **Pasture** condition remains fairly steady and was rated 1 percent very poor, 4 percent poor, 17 percent fair, 55 percent good and 23 percent excellent.

**BURLEY TOBACCO PERCENT TOPPED**



**CORN PERCENT DOUGH OR BEYOND**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING AUGUST 15, 2004  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	77	75	82	75	92
Setting Pods	59	46	58	57	69
Corn					
Milk Stage	94	87	93	90	NA
Dough Stage	76	67	79	69	42
Dent Stage	52	39	53	45	14
Burley Tobacco					
Topped	67	55	74	52	NA
Cut	22	6	16	NA	NA
Dark Tobacco					
Topped	82	82	91	77	NA
Cut	15	6	15	NA	NA

(NA) Data Not Available.

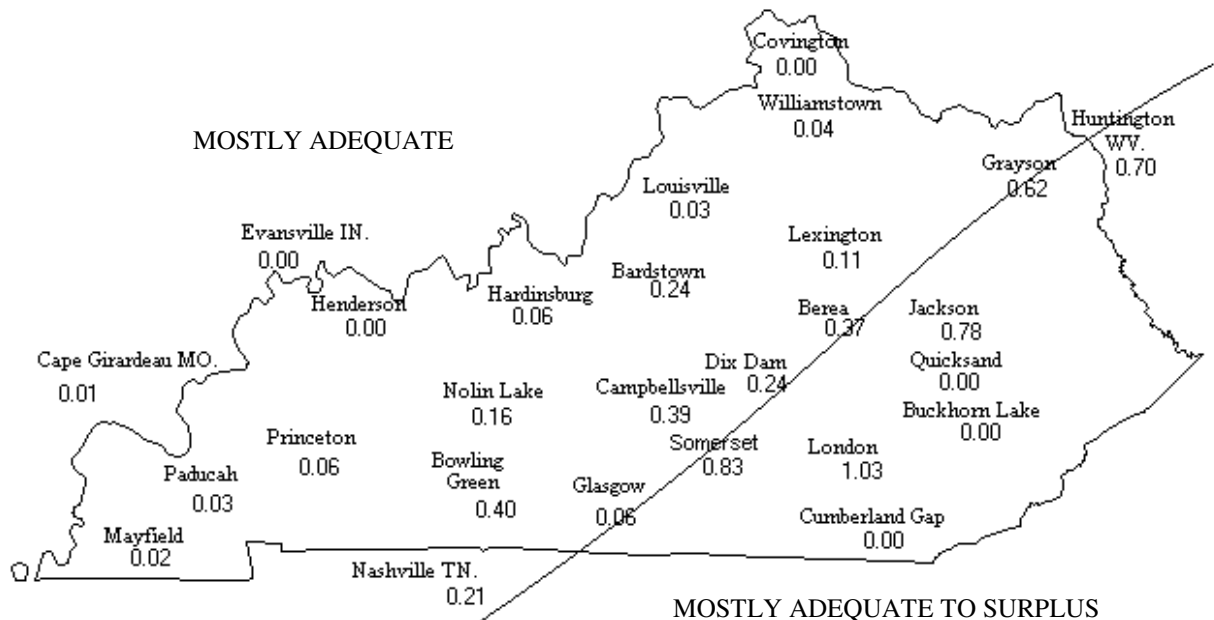
**SOIL MOISTURE**  
WEEK ENDING AUGUST 13, 2004  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	3	3
Short	10	8
Adequate	75	69
Surplus	12	20
<b>SUBSOIL</b>		
Very Short	1	1
Short	11	10
Adequate	79	71
Surplus	9	18

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING AUGUST 13, 2004					WEEK ENDING AUGUST 6, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	4	13	48	35	0	5	14	49	32
Soybeans	0	3	18	48	31	0	5	18	51	26
Pasture	1	4	17	55	23	1	4	16	55	24
Hay Crops	1	5	16	54	24	1	6	21	54	18
Tobacco	3	10	21	50	16	3	10	21	47	19

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 15, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 13, 2004**



## **KENTUCKY WEATHER SUMMARY, AUGUST 9 - 15, 2004:**

### **BELOW NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:**

The week began with dry weather and warmer temperatures as highs were safely in the 80's. By midweek a cold front began to encroach onto the area bringing rain showers to most of the State and cooler temperatures to all of the State. Record lows were set across Kentucky on Friday, Saturday, and Sunday as temperatures dipped into the upper 40's and lower 50's. Mostly sunny skies and below normal temperatures continued through the weekend allowing plenty of time for outdoor activities. This is the 5th consecutive week for below normal temperatures across Kentucky. The cool summer continues as 7 of the past 8 weeks have also recorded below normal temperatures.

Temperatures for the period averaged 66 degrees across the State which was 8 degrees below normal and 6 degrees cooler than the previous week. High temperatures averaged from 78 degrees in the West to 76 degrees in the East. Departure from normal high temperatures ranged from 10 degrees below normal in the West to 9 degrees below normal in the East. Low temperatures averaged from 56 degrees in the West to 57 degrees in the East. Departure from normal low temperatures ranged from 9 degrees below normal in the West to 7 degrees below normal in the East. The extreme high temperature was 88 at Paducah and Princeton. The extreme low temperature was 46 at Paducah.

Rainfall for the period totaled 0.20 inches statewide which was 0.64 inches below normal. Precipitation totals by climate division, West 0.02 inches, Central 0.16 inches, Bluegrass 0.14 inches and East 0.50 inches, which was 0.77, 0.69, 0.72 and 0.38 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Henderson to a high of 1.03 inches at London.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 15, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)						(Degrees Fahrenheit)				
Bardstown	0.24	32.07	4.99	+13.16	+0.99	85	48	65.7	-9	110	2585	+71
Berea	0.37	25.97	5.73	+6.60	+1.95	84	51	67.6	-6	121	2718	+127
Bowling Green	0.40	25.04	2.96	+5.17	-0.73	85	49	67.1	-7	118	2758	+137
Bristol	1.32	20.50	6.12	+3.91	+2.77	83	55	68.6	-5	128	2523	+131
Buckhorn Lake	0.00	22.29	1.25	+3.67	-2.55	84	50	66.3	-8	112	2523	+252
Cape Girardeau	0.01	17.82	3.88	-0.50	+0.71	89	46	66.4	-10	115	2719	-40
Campbellsville	0.39	24.00	3.74	+2.33	-0.72	84	48	65.9	-9	110	2678	+117
Covington	0.00	21.86	4.74	+4.13	+1.34	82	50	65.5	-8	107	2397	+34
Cumberland Gap	0.00	17.43	1.75	-3.09	-2.56	84	50	66.3	-8	112	2580	+218
Dix Dam	0.24	26.18	3.11	+6.70	-0.86	84	50	66.4	-7	113	2609	+80
Evansville	0.00	17.98	2.06	+0.18	-1.14	85	48	66.5	-10	115	2728	+106
Glasgow	0.06	24.24	4.42	+2.77	+0.24	86	47	67.1	-8	119	2871	+340
Grayson	0.62	19.27	2.95	+0.87	-0.90	85	53	67.0	-7	116	2554	+329
Hardinsburg	0.06	21.91	0.55	+2.34	-3.28	85	50	66.1	-8	111	2686	+65
Henderson	0.00	17.43	1.64	-0.79	-1.61	86	48	66.9	-9	120	2674	+22
Huntington	0.70	16.90	2.98	-1.50	-0.99	86	53	67.4	-6	119	2582	+189
Jackson	0.78	30.45	6.49	+10.86	+2.35	82	53	66.4	-7	114	2482	+211
Lexington	0.11	29.57	6.25	+10.66	+2.25	83	49	65.8	-8	109	2480	+87
London	1.03	26.54	6.02	+8.38	+2.42	83	52	65.7	-8	108	2512	+150
Louisville	0.03	28.03	4.04	+9.50	+0.44	86	52	67.2	-7	118	2652	+15
Mayfield	0.02	12.80	1.02	-6.97	-2.72	84	50	66.3	-10	112	2616	-66
Nashville	0.21	22.00	3.47	+3.54	+0.13	91	53	70.1	-4	137	2930	+126
Nolin Lake	0.16	23.30	1.51	+2.51	-2.42	85	50	66.9	-8	117	2752	+329
Paducah	0.03	14.83	1.18	-4.98	-2.19	88	46	67.0	-9	120	2814	+86
Princeton	0.06	22.19	3.40	+2.35	-0.34	88	47	67.4	-9	121	2792	+95
Quicksand	0.00	26.10	2.60	+6.51	-1.54	84	50	66.3	-8	112	2523	+252
Somerset	0.83	23.92	6.45	+3.47	+2.50	84	49	64.8	-9	104	2495	+42
Spindletop	0.10	25.60	6.78	+6.69	+2.78	83	48	65.6	-8	109	2442	+49
Williamstown	0.04	18.63	2.95	-0.03	-0.75	82	50	65.6	-8	107	2500	+107

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 8, 2004

### SOYBEANS SETTING PODS

State	Curr	Last Wk	2003	Avg
AR	81	64	58	56
IL	82	64	51	70
IN	72	56	39	62
IA	85	66	67	78
KS	66	41	53	58
KY	57	41	32	48
LA	87	70	72	85
MI	44	28	42	56
MN	46	27	76	66
MS	97	95	93	91
MO	55	41	37	45
NE	70	46	60	63
NC	41	21	19	25
ND	67	36	76	82
OH	75	52	47	63
SD	55	28	63	63
TN	64	49	35	50
WI	45	27	48	47
18 States	69	49	56	65

These 18 States planted 96% of last year's soybean acreage.

### CORN SILKING

State	Curr	Last Wk	2003	Avg
CO	70	42	93	84
IL	100	99	96	98
IN	99	98	88	96
IA	97	89	93	96
KS	99	96	98	99
KY	99	94	96	97
MI	71	67	78	86
MN	91	79	99	98
MO	99	98	96	97
NE	97	93	95	97
NC	100	100	98	99
ND	75	47	94	95
OH	99	90	89	93
PA	82	80	65	77
SD	81	47	85	86
TN	100	100	100	100
TX	99	96	99	98
WI	67	38	75	84
18 States	93	84	92	95

These 18 States planted 92% of last year's corn acreage.

### CORN DOUGH

State	Curr	Last Wk	2003	Avg
CO	9	2	23	16
IL	80	64	47	59
IN	63	38	26	48
IA	21	12	16	26
KS	70	46	63	65
KY	69	46	54	64
MI	11	4	1	8
MN	3	1	12	13
MO	82	72	69	74
NE	45	16	33	45
NC	90	86	67	81
ND	6	0	20	30
OH	54	27	20	38
PA	47	26	16	33
SD	12	2	15	28
TN	96	88	89	87
TX	86	70	87	85
WI	6	0	10	16
18 States	42	28	30	40

These 18 States planted 92% of last year's corn acreage.

## CROP CONDITION PERCENT FOR WEEK ENDING AUGUST 8, 2004

### SOYBEANS

State	VP	P	F	G	EX
AR	3	5	24	46	22
IL	1	4	17	56	22
IN	3	5	17	54	21
IA	1	4	17	51	27
KS	0	2	13	65	20
KY	0	5	18	51	26
LA	8	19	32	33	8
MI	4	9	37	34	16
MN	3	6	27	55	9
MS	0	5	16	52	27
MO	3	6	22	52	17
NE	1	4	19	53	23
NC	0	1	22	72	5
ND	0	6	28	51	15
OH	5	10	26	43	16
SD	0	3	14	61	22
TN	2	3	15	54	26
WI	3	18	19	37	23
18 States	2	5	20	53	20
Prev Week	2	6	22	50	20
Prev Year	4	9	25	46	16

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

### CORN

State	VP	P	F	G	EX
CO	1	3	17	40	39
IL	1	2	14	56	27
IN	2	4	14	54	26
IA	1	5	16	48	30
KS	0	3	14	59	24
KY	0	5	14	49	32
MI	6	15	32	31	16
MN	5	8	23	53	11
MO	1	4	13	55	27
NE	1	3	14	49	33
NC	0	2	17	72	9
ND	2	10	31	46	11
OH	3	10	24	43	20
PA	1	3	12	33	51
SD	1	4	18	50	27
TN	1	3	12	48	36
TX	0	3	13	45	39
WI	4	17	19	39	21
18 States	2	5	17	50	26
Prev Week	2	5	17	49	27
Prev Year	4	9	22	45	20

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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